

WHAT IS CLAIMED IS:

1. An ink jet cartridge comprising:

an ink jet recording head;

an ink container for containing ink to be  
5 supplied to said recording head;

an ink supply source connecting portion which  
is provided in said ink container and which is  
connectable with an ink supply source to permit  
filling of the ink into said ink container;

10 a pressure reduction source connecting  
portion connectable with a pressure reduction source  
for reducing pressure in said ink container to permit  
filling of the ink;

an absorbing material provided in said ink  
15 container, said absorbing material is capable of  
retaining the ink and functioning as a negative  
pressure source for the recording head;

a gas-liquid separating member which is  
disposed between said absorbing material and said  
20 pressure reduction source connecting portion and which  
has a gas permeability and liquid penetration  
resisting property; and

supporting members, disposed at respective  
sides of said gas liquid separating member, for  
25 supporting said gas-liquid separating member.

2. An ink jet cartridge according to Claim 1,

wherein said gas liquid separating member is made of polytetrafluoroethylene or a material having a property equivalent thereto.

5           3. An ink jet cartridge according to Claim 1, wherein said gas-liquid separating member is given a liquid repelling property.

10           4. An ink jet recording apparatus comprising:  
a carriage for carrying an ink jet cartridge.  
said ink jet cartridge comprising: 1. An ink jet  
cartridge comprising: a ink jet recording head; a ink  
container for containing ink to be supplied to said  
recording head; a ink supply source connecting portion  
15 which is provided in said ink container and which is  
connectable with an ink supply source to permit  
filling of the ink into said ink container; a pressure  
reduction source connecting portion connectable with a  
pressure reduction source for reducing pressure in  
20 said ink container to permit filling of the ink; a  
absorbing material provided in said ink container,  
said absorbing material is capable of retaining the  
ink and functioning as a negative pressure source for  
the recording head; a gas-liquid separating member  
25 which is disposed between said absorbing material and  
said pressure reduction source connecting portion and  
which has a gas permeability and liquid penetration

resisting property; and supporting members, disposed at  
respective sides of said gas-liquid separating member,  
for supporting said gas-liquid separating member;

wherein said ink supply source is  
5 disconnectably connected with a first connecting  
portion of said ink container by a communication tube;

a pressure reduction source disconnectably  
connected with a second connecting portion of said ink  
container by a connection tube; and

10 a suction recovering source, connected with  
said recording head, for effecting a recovering  
operation for said recording head.

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